Your Name: **Angela Bys**

Resources Collection Assignment

|  |  |
| --- | --- |
| **Resource Title:**  **National Science Teacher Association**  [**www.nsta.org**](http://www.nsta.org) | Description & Summary: The National Science Teacher Association is an organization of both teachers and administrators that provides resources for a variety of classrooms. The web-site has published journal articles, lesson plans, conference opportunities for professional development, free resources for teachers, links to virtual web-sites, interactive resources, and many other tools for educators.  Specific Content Area: all content areas  Appropriate Grade Level(s): K-12  Best use of/for this resource: I plan to use this web-site as a starting point to find further resources. It is a great place to get genuine lessons and standards-based activities to use in any classroom. If interested, you could also use this site for professional development to find both conferences and relevant publications.  Comments: Even though a membership is required to access some of the site’s content and publications, the free resources are still of great value. |
| **Resource Title:**  **Glencoe-**  **Science**  **(copyright 2003)** | Description & Summary: This textbook is produced by Glencoe/McGraw-Hill and is simply titled Science, with different colors for different grade bands or educational levels. I got this book from Drake’s School of Education library, and I chose this book due to its recent publishing date and correlation to standards. The book of the series that I chose has units for Astronomy, Human Body Systems, Heredity, Conservation of Resources, Weather and Climate, Chemistry of Matter, and Forces and Motion; it also has outlined standards from National Science Education Standards, Benchmarks for Science Literacy, and Principles and Standards for Teachers of Mathematics that each unit fulfills.  Specific Content Area: General Science  Appropriate Grade Level(s): 6th to 8th grade  Best use of/for this resource: The textbook is a great tool for the classroom; the only drawback would be to make sure it is supplemented by outside resources and contains a majority of the units necessary to meet the school district’s specific standards and curriculum goals for that grade level.  Comments: The book does contain a unit/course overview and the suggested amount of instructional days to be spent on each lesson (although I would not use this exactly, it is a good starting point to outline instruction). The book is also produced by National Geographic and contains many excellent pictures. |
| **Resource Title:**  **The Human Body (IMAX)**  **Produced by: Discovery Pictures &BBC** | Description & Summary: “The Human Body” is an IMAX film produced by Discovery Pictures & BCC that “incorporates groundbreaking computer graphics with stunning real-life images to create a day in the life of a human body”. The movie looks not only at the organs and inner-makings of the body, but travels through multiple stages of life even down to the details of different cells. In addition, there is a teacher’s guide that gives teachers activities and learning objectives to go along with the students seeing the movie to make it the most learning beneficial.  Specific Content Area: Life Science or Physical Education (study of the human body)  Appropriate Grade Level(s): 7-12 (different activities can be adapted for any age level)  Best use of/for this resource: The only bad use of this resource would be if the movie was just shown and no activities followed. The movie is a great resource, but to ensure specific educational goals are met, the movie needs further instruction on behalf of the teacher, in which the teacher’s guide is a great starting place.  Comments: I really love the activities in the guide, and I think it could be the basis for a great unit. The students would be really engaged by the video and it would be easier to hold the student’s attention; I even learned some things from the activities and was very intrigued. |
| **Resource Title:**  **Middle School Activities** | <http://www.reachoutmichigan.org/funexperiments/quick/middlesch.html>  Description & Summary: This site contains 150 experiments and lessons for middle school science classrooms. These lessons have been designed and used by current teachers and outside resources, so the collection is very inclusive of different topics. Although the discussion questions commonly need to be adjusted to meet specific content goals, the labs/activities are great ideas and practical illustrations of content standards.  Specific Content Area: all content areas  Appropriate Grade Level(s): middle school grades  Best use of/for this resource: The lessons should be used to generate ideas of how to incorporate labs and hands-on learning in instruction, but they will need to be tailored to insure that specific standards are met (labs should have a purpose).  Comments: |